

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/006079

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G02B17/08 G03B21/28 G02B27/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 G02B G03B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 203 977 A (MITSUBISHI ELECTRIC CORP) 8 May 2002 (2002-05-08) paragraphs '0252!, '0253!, '0272!	1,8,13
A	US 4 395 093 A (ROSENDAL GOTTTFRIED R ET AL) 26 July 1983 (1983-07-26) column 1, lines 6-11 column 2, lines 6-34 column 3, line 7 - column 4, line 26 column 5, lines 48-63 figures 1,2	1,8,9
A	US 5 521 658 A (DONOHOE VINCENT) 28 May 1996 (1996-05-28) column 5, lines 22-39 column 5, line 66 - column 6, line 15 figure 2B	1,13
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

6 October 2004

Date of mailing of the International search report

22/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Verdrager, V

INTERNATIONAL SEARCH REPORT

Int - nal Application No
PCT/EP2004/006079

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 205 791 A (SANYO ELECTRIC CORP LTD) 15 May 2002 (2002-05-15) paragraphs '0017!, '0030! - '0033!, '0057! - '0060! figures 1,6	1,13-15
A	WO 98/08141 A (COLCLOUGH ROBIN CHRISTOPHER ;HUXFORD ROGER BRIAN (GB)) 26 February 1998 (1998-02-26) page 7, lines 4-19 page 15, line 4 - page 16, line 11 figures 1,5	1,13
A	PATENT ABSTRACTS OF JAPAN vol. 018, no. 211 (P-1726), 14 April 1994 (1994-04-14) & JP 06 011767 A (SONY CORP), 21 January 1994 (1994-01-21) abstract	1,13
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 09, 30 September 1997 (1997-09-30) & JP 09 138349 A (SEMICONDUCTOR ENERGY LAB CO LTD), 27 May 1997 (1997-05-27) abstract	1,13
A	US 5 920 376 A (BRUCKSTEIN ALFRED M ET AL) 6 July 1999 (1999-07-06) column 1, line 59 - column 2, line 4 column 3, lines 33-36 claim 4	1,13

INTERNATIONAL SEARCH REPORT

Inte
nal Application No
PCT/EP2004/006079

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
EP 1203977	A	08-05-2002	JP 2002207168 A		26-07-2002
			CA 2377245 A1		15-11-2001
			EP 1203977 A1		08-05-2002
			CN 1380989 T		20-11-2002
			WO 0186340 A1		15-11-2001
			JP 2004133483 A		30-04-2004
			TW 496999 B		01-08-2002
			US 2004046944 A1		11-03-2004
			US 2001050758 A1		13-12-2001
US 4395093	A	26-07-1983	NONE		
US 5521658	A	28-05-1996	NONE		
EP 1205791	A	15-05-2002	CA 2381093 A1		15-02-2001
			EP 1205791 A1		15-05-2002
			US 6752500 B1		22-06-2004
			CN 1377476 T		30-10-2002
			WO 0111425 A1		15-02-2001
			TW 436662 B		28-05-2001
WO 9808141	A	26-02-1998	WO 9808141 A1		26-02-1998
			AU 6829496 A		06-03-1998
JP 06011767	A	21-01-1994	NONE		
JP 09138349	A	27-05-1997	NONE		
US 5920376	A	06-07-1999	NONE		